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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. . . . . 09/784,234  
Filing Date . . . . . February 14, 2001  
Inventor . . . . . Shozo Nagano et al.  
Assignee . . . . . Honeywell International, Inc.  
Group Art Unit . . . . . Unknown  
Examiner . . . . . Unknown  
Attorney's Docket No. . . . . 30-5000-(4015)-Div1  
Title: Conductive Integrated Circuit Metal Alloy Interconnections, Electroplating  
Anodes, Metal Alloys For Use as a Conductive Interconnection in an  
Integrated Circuit, and Physical Vapor Deposition Targets

**SUPPLEMENTAL PRELIMINARY AMENDMENT**

To: Box Non-Fee Amendment  
Assistant Commissioner for Patents  
Washington, D.C. 20231

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Please enter the following amendments to the above-identified application.

**AMENDMENTS**

**In the Claims**

Cancel claims 31-33.

**New Claims**

Add new claims 60-66 as follows:

60. (New) A physical vapor deposition target comprising an alloy of copper and one or more other elements, the one or more other elements being present in the alloy at a total concentration from less than 1.0 at% to 0.001 at% and being selected from the group consisting of Sr, Ba, Sc, and Se.

61. (New) The physical vapor deposition target of claim 60 wherein the one or more other elements are present in the alloy at a total concentration at from 0.005 at% to 0.1 at%.

62. (New) The physical vapor deposition target of claim 60 comprising an RF sputtering coil.

63. (New) The physical vapor deposition target of claim 60 wherein the element comprises Sr.

64. (New) The physical vapor deposition target of claim 60 wherein the element comprises Ba.

65. (New) The physical vapor deposition target of claim 60 wherein the element comprises Sc.

66. (New) The physical vapor deposition target of claim 60 wherein the element comprises Se.

### REMARKS


Claims 31-33 are cancelled. Claims 60-66 are added, and are the only claims remaining in the application.

Claim 60 is patterned after original claim 42, and includes only a partial listing of all the elements originally submitted in claim 42. Accordingly, there is no new matter. Dependent claims 63-66 separately claim each of the elements in claim 60.

Examination on the merits in light of the above is requested.

Respectfully submitted,

Dated: 5-11-01

By:   
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